

1. Cancelled.

2. (Currently Amended) ~~The stent of claim 1,~~ A braided modular stent comprising a first component and a second component, each component comprising an hourglass-shaped interface, each hourglass shaped interface comprising a reduced diameter section positioned between two sloped sections, each sloped section extending between the reduced diameter section and one of a plurality of nominal diameter sections, the reduced diameter section having a greater radial strength than the nominal diameter sections, wherein reduced diameter section of the hourglass-shaped interface has a greater braiding angle than the nominal diameter sections.

3. (Currently Amended) ~~The stent of claim 1,~~ A braided modular stent comprising a first component and a second component, each component comprising an hourglass-shaped interface, each hourglass shaped interface comprising a reduced diameter section positioned between two sloped sections, each sloped section extending between the reduced diameter section and one of a plurality of nominal diameter sections, the reduced diameter section having a greater radial strength than the nominal diameter sections, wherein the reduced diameter section of the hourglass-shaped interface comprises filaments having a first set of metallurgical properties different than a second set of metallurgical properties in the nominal diameter sections.

4. (Currently Amended) ~~The stent of claim 1,~~ A braided modular stent comprising a first component and a second component, each component comprising an hourglass-shaped interface, each hourglass shaped interface comprising a reduced diameter section positioned between two sloped sections, each sloped section extending between the reduced diameter section and one of a plurality of nominal diameter sections, the reduced diameter section having a greater radial strength than the nominal diameter sections, wherein the reduced diameter section of the hourglass-shaped interface comprises a plurality of first regions of braided filaments in which the filaments have a first cross-sectional area that is greater a second cross-sectional area in a plurality of second regions of braided filaments in the nominal diameter sections.

5. (Currently Amended) ~~The stent of claim 1~~ claim 24, wherein the first component comprises a body having at least one integral leg stump depending therefrom, each

leg stump comprising an hourglass-shaped interface, and the second component comprises a leg adapted to interface with the leg stump.

6. (Original) The stent of claim 5 comprising two integral leg stumps and two legs, each leg adapted to interface with one of the leg stumps.

7. (Currently Amended) ~~The stent of claim 1,~~ A braided modular stent comprising a first component and a second component, each component comprising an hourglass-shaped interface, each hourglass shaped interface comprising a reduced diameter section positioned between two sloped sections, each sloped section extending between the reduced diameter section and one of a plurality of nominal diameter sections, the reduced diameter section having a greater radial strength than the nominal diameter sections, wherein at least one of the first component or the second component has an end section having a wound architecture.

8. (Original) The stent of claim 7, wherein the wound architecture comprises a hexagonal cell architecture.

9. (Currently Amended) ~~The stent of claim 1,~~ A braided modular stent comprising a first component and a second component, each component comprising an hourglass-shaped interface, each hourglass shaped interface comprising a reduced diameter section positioned between two sloped sections, each sloped section extending between the reduced diameter section and one of a plurality of nominal diameter sections, the reduced diameter section having a greater radial strength than the nominal diameter sections, further comprising one or more circumferential elevations, each elevation comprising a first section of the stent having a first diameter that is greater than a second diameter of a second section of the stent distally adjacent the elevation and a third diameter of a third section of the stent proximally adjacent the elevation.

10. (Original) The stent of claim 9, wherein the one or more circumferential elevations is maintained by a plurality of filaments affixed between the second section and the third section.

11. (Original) The stent of claim 10, wherein each filament connects a first overlap of braided filaments in the first portion to a corresponding second overlap in the second portion.

12. (Original) The stent of claim 11, wherein the filament comprises a suture, a staple, or a length of wire.

13. (Currently Amended) The stent of ~~claim 1~~ claim 24, wherein at least one of the first component or the second component further comprises a sealing region for providing an endoleak-resistant seal between the stent and a body lumen into which the stent is adapted to be installed.

14. (Currently Amended) ~~The stent of claim 13, wherein~~ A braided modular stent comprising a first component and a second component, each component comprising an hourglass-shaped interface, each hourglass shaped interface comprising a reduced diameter section positioned between two sloped sections, each sloped section extending between the reduced diameter section and one of a plurality of nominal diameter sections, the reduced diameter section having a greater radial strength than the nominal diameter sections, wherein at least one of the first component or the second component further comprises a sealing region for providing an endoleak-resistant seal between the stent and a body lumen into which the stent is adapted to be installed and the sealing region comprises a greater radial strength than portions of the stent adjacent to the sealing region.

15. (Original) The stent of claim 14, wherein the sealing region has a first braiding angle greater than a second braiding angle in the portions of the stent adjacent to the sealing region.

16. (Original) The stent of claim 14, wherein the sealing region has a first set of metallurgical properties different than a second set of metallurgical properties in the portions of the stent adjacent to the sealing region.

17. (Original) The stent of claim 16, wherein the first set of metallurgical properties are caused by a first annealing history and the second set of metallurgical properties are caused by a second annealing history.

18. (Original) The stent of claim 14 comprising a plurality of braided filaments, wherein the sealing region comprises first regions of the braided filaments in which the filaments have a first cross-sectional area that is greater a second cross-sectional area in second regions of the braided filaments in the portions of the stent adjacent to the sealing region.

19. (Original) The stent of claim 14, wherein the sealing region has a first diameter greater than a second diameter in the portions of the stent adjacent to the sealing region.

20. (Original) The stent of claim 19, wherein the first diameter in the sealing ring is maintained by a plurality of filaments affixed between portions of the stent adjacent to the sealing region that hold the adjacent portions in an axially compressed configuration with respect to one another.

21. (Currently Amended) The stent of ~~claim 1~~ claim 24, wherein the first component and the second component each further comprise a graft covering, lining, or combination thereof.

22. (Original) The stent of claim 13, wherein the sealing region has a ringlike geometry.

23. (Currently Amended) ~~The stent of claim 1,~~ A braided modular stent comprising a first component and a second component, each component comprising an hourglass-shaped interface, each hourglass shaped interface comprising a reduced diameter section positioned between two sloped sections, each sloped section extending between the reduced diameter section and one of a plurality of nominal diameter sections, the reduced diameter section having a greater radial strength than the nominal diameter sections, wherein the sealing region has a spherical geometry.

24. (Currently Amended) ~~The stent of claim 1,~~ A braided modular stent comprising a first component and a second component, each component comprising an hourglass-shaped interface, each hourglass shaped interface comprising a reduced diameter section positioned between two sloped sections, each sloped section extending between the reduced diameter section and one of a plurality of nominal diameter sections, the reduced diameter section having a greater radial strength than the nominal diameter sections, wherein the sloped sections have a radial strength greater than the nominal diameter sections.

25. (Currently Amended) ~~The stent of claim 1,~~ A braided modular stent comprising a first component and a second component, each component comprising an hourglass-shaped interface, each hourglass shaped interface comprising a reduced diameter section positioned between two sloped sections, each sloped section extending between the

reduced diameter section and one of a plurality of nominal diameter sections, the reduced diameter section having a greater radial strength than the nominal diameter sections, wherein the sloped sections have a radial strength less than or equal to the nominal diameter sections.

26. (Original) A braided modular stent comprising:

a body having two integral leg stumps depending therefrom, an end section having a hexagonal cell wound architecture opposite the leg stumps, and a sealing ring adjacent the end section for providing an endoleak-resistant seal between the stent and a body lumen into which the stent is adapted to be installed, the sealing region having a greater radial strength than a portion of the stent adjacent to the sealing region; and

two legs, wherein each of said stumps and each of said legs has an hourglass-shaped interface for interlocking the legs to the leg stumps, each hourglass shaped interface comprising a reduced diameter section positioned between two sloped sections, each sloped section extending between the reduced diameter section and one of a plurality of nominal diameter sections, the reduced diameter section having a greater radial strength than the nominal diameter sections.

27. (Original) The braided modular stent of claim 26 wherein the sealing region comprises one or more of:

(a) a first braiding angle greater than a second braiding angle in the portions of the stent adjacent to the sealing region;

(b) a first set of metallurgical properties different than a second set of metallurgical properties in the portions of the stent adjacent to the sealing region;

(c) a plurality of first regions of braided filaments in which the filaments have a first cross-sectional area that is greater a second cross-sectional area in a plurality of second regions of braided filaments in the portions of the stent adjacent to the sealing region; and

(d) a first diameter greater than a second diameter in the portions of the stent adjacent to the sealing region.

28. (Original) The braided modular stent of claim 26 wherein the reduced diameter section of the hourglass-shaped interface comprises one or more of:

(a) a first braiding angle greater than a second braiding angle in the nominal diameter sections;

(b) a first set of metallurgical properties different than a second set of metallurgical properties in the nominal diameter sections; and

(c) a plurality of first regions of braided filaments in which the filaments have a first cross-sectional area that is greater a second cross-sectional area in a plurality of second regions of braided filaments in the nominal diameter sections.

29. (Original) The stent of claim 26 wherein the body and the legs each further comprise a graft covering or lining.

30.-39. Cancelled.

40. (New) The stent of claim 25, wherein the first component comprises a body having at least one integral leg stump depending therefrom, each leg stump comprising an hourglass-shaped interface, and the second component comprises a leg adapted to interface with the leg stump.

41. (New) The stent of claim 40 comprising two integral leg stumps and two legs, each leg adapted to interface with one of the leg stumps.

42. (New) The stent of claim 25, wherein at least one of the first component or the second component further comprises a sealing region for providing an endoleak-resistant seal between the stent and a body lumen into which the stent is adapted to be installed.

43. (New) The stent of claim 42, wherein the sealing region has a ringlike geometry.

44. (New) The stent of claim 25, wherein the first component and the second component each further comprise a graft covering, lining, or combination thereof.